1. Diagram, schematic

   Description automatically generated**Produce a complete CONCEPTUAL ERD for ArchipelagoCrazy. This CONCEPTUAL ERD needs to include all the entities, relationships, multiplicities, attributes and primary keys that you have identified. It should be easy to read and needs to fit on one page of the report.**
2. **Create a data dictionary to document how you identified the entities for ArchipelagoCrazy. To achieve this, fill in the 2 tables below to summarise and briefly explain the meaning of each entity.**

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| *Entity name* | *Brief Description* |
| Island | General term describing islands including mainland, that belong to ArchipelagoCrazy. |
| Boat | General term describing all types of boats |
| LargeMotorizedBoat | Specialised term that describes the larger boats that cab handle higher number of customers |
| PaddlePropelledBoats | Specialised term that describes simple boats that is used to explore an island locally |
| SmallerMotorizedBoat | Specialised term that describes smaller boats which can carry 6 – 8 people |
| Customer | General term that describes all customers of ArchipelagoCrazy |
| Booking | General term that describes bookings placed for services offered by ArchipelagoCrazy |
| Adventure | General term that describes all adventures organised by ArchipelagoCrazy |
| SeaAdventure | Specialised term that describes adventures in the sea |
| SeaCrossing | Specialised term that describes the adventure of crossing between two or more islands |
| BeachTaxiService | Specialised term that describes the adventure of moving between beaches |
| MarineExploration | Specialised term that describes adventure of exploring an island locally |
| LandAdventure | Specialised term that describes adventures in the land |
| VisitLandmark | Specialised term that describes the adventure of visiting landmarks in an island |
| walkTour | Specialised term that describes the adventure of walking in an island with a tour guid |
| Employee | General term describing some staff members employed by ArchipelagoCrazy. |
| Guid | General term describing the guides of ArchipelagoCrazy |
| SeaCrewMember | General term describing all members of the sea crew |
| BoatMechanic | General term describing the boat mechanics |
| BoatService | General term describing all types of services done to boats |
| Meal | General term describing a meal organized by ArchipelagoCrazy |

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| General entity | Specialised entity | Brief Explanation |
| Boat | LargeMotorizedBoat | LargeMotorizedBoat is a Boat |
| Boat | PaddlePropelledBoats |  |
| Boat | SmallerMotorizedBoat |  |
| Adventure | SeaAdventure |  |
| Adventure | LandAdventure |  |
| SeaAdventure | SeaCrossing |  |
| SeaAdventure | BeachTaxiService |  |
| SeaAdventure | MarineExploration |  |
| LandAdventure | VisitLandmark |  |
| LandAdventure | walkTour |  |
| Emplyee |  |  |

1. **Create a data dictionary to document how you identified the relationships and multiplicities for ArchipelagoCrazy. To achieve this, fill in the table below to summarise and justify the multiplicities for each relationship.**

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| Entity name | Multiplicity | Relationship | Multiplicity | Entity name | Brief justifications for the multiplicity (4 statements for each relationship) |
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1. **Create a data dictionary to document how you identified the attributes and primary keys for each entity for ArchipelagoCrazy. To achieve this, fill in the table below to summarise and explain the meaning of each attribute and primary key.**

|  |  |  |
| --- | --- | --- |
| Entity name | Attributes for this entity (include PK) | Justification |
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